

Title (en)

PROCESS FOR THE RECOVERY OF A POLYOL FROM AN AQUEOUS SOLUTION

Title (de)

VERFAHREN ZUR RÜCKGEWINNUNG EINES POLYOLS AUS EINER WÄSSRIGEN LÖSUNG

Title (fr)

PROCEDE DE RECUPERATION D'UN POLYOL A PARTIR D'UNE SOLUTION AQUEUSE

Publication

EP 1406886 A4 20051214 (EN)

Application

EP 01961677 A 20010719

Priority

- US 0122903 W 20010719
- US 89195501 A 20010626

Abstract (en)

[origin: WO03002547A1] A process for the separation of a polyol or multiple polyols in admixture with other organic compounds, usually those produced with the polyol, is described. The process uses a distillation in a column (11) of a cyclic acetal from an aqueous solution which acetal is formed in a reaction mixture of the polyol and an aldehyde or ketone. The polyols, such as ethylene glycol and propylene glycol, are staple articles of commerce with many uses.

IPC 1-7

C07D 307/00; **C07C 29/88**

IPC 8 full level

C07C 29/09 (2006.01); **C07C 29/88** (2006.01); **C07D 317/12** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [DA] BROEKHUIS, ROBERT R. ET AL: "Recovery of Propylene Glycol from Dilute Aqueous Solutions via Reversible Reaction with Aldehydes", INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH , 33(12), 3230-7 CODEN: IECRED; ISSN: 0888-5885, 1994, XP002349455
- [DA] CHOPADE, SHUBHAM P. ET AL: "Acetalization of ethylene glycol with formaldehyde using cation-exchange resins as catalysts: batch versus reactive distillation", REACTIVE & FUNCTIONAL POLYMERS , 34(1), 37-45 CODEN: RFPOF6; ISSN: 1381-5148, 1997, XP002349456
- See references of WO 03002547A1

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DOCDB simple family (publication)

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